

SYSTEM AND METHOD FOR BROKERING WIRELESS COMMUNICATION RESOURCES

ABSTRACT OF THE DISCLOSURE

A system and method, operable with a wireless communication cell having at least one aperture array, for brokering wireless communication resources. In one embodiment, the system includes a virtual sector broker configured to generate, in response to a resource request, an allocation request based on available wireless communication resources of the cell subjected to a brokering process and an internal policy broker database associated with the virtual sector broker. The system further includes a virtual sector formation unit configured to employ the at least one aperture array to provide dynamic virtual sectorization of the available wireless communication resources in response to the allocation request.